

# WATER QUALITY M E M O R A N D U M

Utah Coal Regulatory Program

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May 3, 2007

JK

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*

FROM: David Darby, Senior Reclamation Specialist III *DD*

RE: 2007, 1<sup>st</sup> Quarter Water Monitoring, Lodestar Energy, Inc., Horizon Mine, C/007/0020-WQ07-1, Task ID #2608.

The Horizon Mining operation is operating and mining coal. This report is based on data compiled in file; O:\007020.hzn\Water Quality\datacheck2006-2007(1).xls.

The water monitoring plan is outlined in Chapter 7 of the MRP. Surface and groundwater monitoring is required for the Horizon Mine under the operation plan. Kit Pappas is the contact for water monitoring issues.

1. Was data submitted for all of the MRP required sites? YES [ ] NO [X]

*Identify sites not monitored and reason why, if known:*

Springs During the operational and reclamation phases the springs will be monitored once each calendar quarter when the spring are accessible. SP-1, SP-2, SP-4, SP-9 (Jewkes Sp.), 2-6-W (Homestead Sp.) And GV-70. Ground water quality parameters to be checked are outlined in Table 2 of the MRP.

**The Permittee stated that spring monitoring sites on the mountain could not be accessed, because of deep snow in the mountains.**

Streams Stations SS-3, SS-5, SS-7, SS-8, SS-10 and SS-11 will be monitored once each quarter (as access conditions permit). Surface water quality parameters are outlined in Table 7-5 of the MRP.

**The Permittee stated that the stream monitoring sites on the mountain could not be accessed, because of deep snow in the mountains. Sites MV-1 and MV-2 were monitored.**

Wells Water level data will be collected during the operational and reclamation phases from the HZ wells once each quarter when accessible.

**The Permittee stated that none of the well monitoring sites on the mountain could not be accessed, because of deep snow in the mountains. Sites MV-1 and MV-2 were monitored.**

UPDES Monthly monitoring of flows from mine discharge and sedimentation pond.

**UPDES sites were monitored monthly for the quarter and all required data submitted.**

**2. Were all required parameters reported for each site?** YES [ ] NO [X]  
*Comments, including identity of monitoring site:*

Springs **Could not gain access.**

Streams **Could not gain access.**

Wells **Could not gain access.**

UPDES **All parameters were reported for UPDES sites.**

**3. Were irregularities found in the data?**

Springs YES [X] NO [X] **As mentioned in 1 and 2.**

Streams YES [X] NO [X] **As mentioned in 1 and 2.**

Wells YES [X] NO [ ] **As mentioned in 1 and 2.**

UPDES YES [ ] NO [X]

**4. On what date does the MRP require a five-year resampling of baseline water data.**

Re-sampling due date is July 2007.

**5. Based on your review, what further actions, if any, do you recommend?**

None

**Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? [ ] Yes [X] No**

- 6. Follow-up from last quarter, if necessary.  
Did the Mine Operator submit all the missing and/or irregular data (datum)?**

None needed.